

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-191348

(43)Date of publication of application : 17.07.2001

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(51)Int.Cl. B29C 43/02

G02B 6/00

// B29L 11:00

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(21)Application number : 2000-005102 (71)Applicant : CITIZEN ELECTRONICS CO LTD

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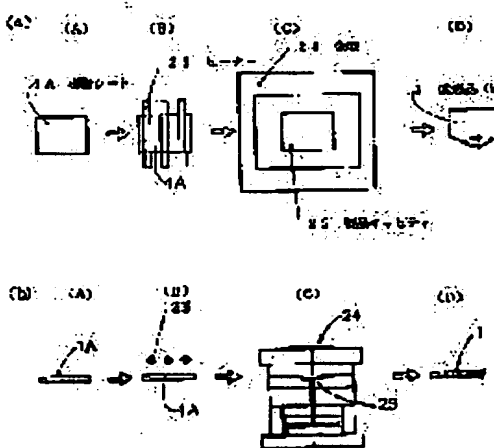
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## (54) METHOD FOR MANUFACTURING LIGHT GUIDE PLATE

(57)Abstract:

PROBLEM TO BE SOLVED: To facilitate production of a thin-walled product and multi-cavity production and to realize a low cost product.

SOLUTION: In a method for manufacturing a light guide plate comprising a transparent plastic member, an almost strip-like resin sheet 1A is preheated by a heater 23 to be inserted in the product cavity 25, provided in the mold 24 of a resin molding machine, in a softened state and subjected to compression molding for a predetermined time and a cooled and solidified molded article is discharged to manufacture a light guide plate 1 having a



desired shape. By arranging a large number of product cavities in one mold, a large number of the light guide plates can be molded at the same time. The production of a thin-walled product becoming a problem heretofore in injection molding can be stably performed. Secondary processing such as gate cutting becomes unnecessary and multi-cavity production becomes easy to enable the reduction of product cost. This method can correspond to the thickness reduction of a product.

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#### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision  
of rejection]

[Kind of final disposal of application other  
than the examiner's decision of rejection  
or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]